

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001274

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: F16K 17/38, 31/70 G05D 23/02 F24H 9/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI: F16K 17/38, 31/70 G05D 23/02, 23/08 F24H 9/20 and THERMOSTAT, EXPAND, SAFETY, VALVE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2003582 A (PIETRO STELLA) 14 March 1979 Whole document	1-11, 16, 17, 19-22, 24-28
Y		12,14,15,18
X	US 5024378 A (BERGMANN et al) 18 June 1991 Whole document	1-11, 13 16, 17, 19-22,24, 28
X	US 4281790 A (McGINNIS) 4 August 1981 Whole document	1 - 10 17, 19, 20, 21, 23, 24, 28
X	US 4480784 A (BENNETT) 6 November 1984 Whole document	1, 2, 6, 7, 28

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
25 November 2004

Date of mailing of the international search report
- 3 DEC 2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, Y	WO 1997/021949 (PIZZEY) 19 June 1997 Whole document	18
A, Y	GB 2270139 A (DOUGLAS INDUSTRIAL SALES LIMITED) 2 March 1994 Whole document	27
A, Y	WO 1993/002308 A (GSA INDUSTRIES (AUST) PTY LTD) 4 February 1993 Whole document	12, 14, 15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001274

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
GB	2003582	DE	2836843	ES	472872	FR	2402141
US	5024378	AT	266187	CN	1034126	DE	3834153
		JP	1169186	US	4917294	US	4981261
US	4281790	NONE					
US	4480784	NONE					
WO	1997/021949	AU	74869/96				
GB	2270139	NONE					
WO	9302038	AU	23449/92	BR	9206301	CA	2113909
		EP	0598756	FI	940300	NO	940229
		US	5332858	ZA	9205428		
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							